

## SCOPE OF WORK

### Lower Butte Creek Project

#### Phase III Facilitation/Coordination

1. **Scope of the project:** Butte Creek, as it traverses through the Butte Sink, Butte Slough, and Sutter Bypass to the confluence with Sacramento River, is an extremely complex mix of diversion structures, operational schedules, and stakeholder/user groups. This complexity and interdependence of the various user groups and diversion structures, require a very high level of local stakeholder/user group input. A very effective first phase developed constructive dialog and input from a majority of the affected parties and resulted in the identification of several alternatives for enhanced fish passage in each of the Project's three areas. A second phase was implemented to work with the stakeholder groups to reach consensus on a preferred alternative, complete preliminary engineering design and environmental review and to identify a responsible entity in each of the three areas. The responsible entity will assume the contractual responsibility for construction of the selected alternatives and the O&M responsibility for the enhanced structures.

Phase III of the project, construction, is ready to begin in two of the areas and the third area is reaching final determination with this year's work. Cooperation between the projects as they proceed is of utmost importance in ensuring that the system will work as a whole. Facilitation of the distinct and disparate groups is needed to ensure that as issues arise, an understanding is reached and recorded which meets the project goals of enhancing fish passage while maintaining the viability of associated agricultural and managed wetlands operations.

Additional funding is required to continue stakeholder input and resolution of issues through permitting and construction/implementation of selected and approved enhancement projects.

General tasks include: 1) Continue to meet with landowner groups to assist them in decision making for final design and construction of the fish passage enhancements in each of the three action project areas; 2) Facilitate meetings with regulatory agencies, resource agencies, local government and interested groups to ensure that the project meets federal, state and local requirements; 3) Work with funding sources, write funding proposals and facilitate funding agreements for construction of the projects.

The timeframe is: 1) Coordinate/facilitate FY 2000 Phase II & III Projects 1/1/00 to 3/31/01; 2) Facilitate agreements/funding for FY 2000 Phase II & III projects 7/01/00 to 3/31/01; 3) Complete RFPS for FY 2000 Phase III projects 10/1/00 to 3/31/01.

2. **Justification and benefits of the project:**

**Objective:** Continuation of stakeholder coordination facilitation will ensure that restoration actions meet the needs of all of the disparate users, and will also by virtue of stakeholder buy-in enhance the long-term effectiveness of restoration actions.

The Lower Butte Creek Project, Final Project Report, June 30, 1998, defined a list of alternatives (structural and operational) for sites identified in the project area in the Revised Draft Restoration Plan for the AFRP, May 30, 1997. Lower Butte Creek Phase I (b) Final Report, August, 1999 further identified issues and assisted stakeholders in proceeding with selection of a preferred action. The stakeholders are now ready to proceed with Phase II, preliminary engineering/environmental review, of the project. Additional funding is required to assist them in decision-making, conflict resolution and funding development for Phase III, construction/implementation, of the Project.

***Related Benefits:***

Improved fish passage through the 12 water control structures located in the lower reaches of Butte Creek and the Sutter Bypass is expected to improve the long-term sustainability of natural production of anadromous fish populations, in particular spring-run chinook salmon and steelhead. Maintenance of habitat for waterfowl and other resident species including species of special concern and maintaining the viability of associated managed wetlands and agriculture is expected to improve the health and long-term sustainability of waterfowl and other resident species including species of special concern.

***Relation to Existing Plan:*** Actions: #14, 15, 16, 18, 19, 22, 23; Evaluations: #1, 2, 3, 4, 6, 7, 9, 10, 11. The Project represents actions required to facilitate/coordinate Phase III, final design and construction, of the Lower Butte Creek Project. Phase I, I (b) and II have been completed. The completed phases identified the existing conditions, identified multiple alternatives to correct the conditions affecting fish passage, selected preferred alternatives and completed the preliminary engineering and environmental review on the preferred alternatives.

***Question/Scientific Hypothesis:*** Can the Lower Butte Creek Project area be screened, hydraulically configured and operated to reduce delay of adult fish and entrainment of juvenile fish to a level acceptable under ESA/CESA, for chinook salmon and steelhead during controlled-flow conditions?

3. **Monitoring and data evaluation:**

None Required. Monitoring and data evaluation will be completed in each of the Phase III projects.

4. **Work to be performed and deliverables:**

**Task I. Facilitation of Landowner meetings**

**1a.** Schedule landowner/stakeholder meetings to develop Phase II & III strategies; develop agendas; record minutes; distribute correspondence, pertinent information and minutes to landowner/stakeholder groups.

***Deliverable:*** Meeting reports and minutes from landowner/stakeholder meetings on Phase III projects.

***Timeframe:*** January 1, 2000 to March 31, 2001

**Task 2. Facilitate cooperative meetings with federal state and local agencies and groups**

**2a.** Schedule meetings with federal, state and local agencies/groups (Steering Committee) to discuss project issues and resolve conflicts; develop agendas; record minutes; distribute minutes and pertinent information to group.

*Deliverable:* Meeting reports and minutes from Steering Committee meetings.

*Timeframe:* July 1, 2000 to March 31, 2001

**Task 3: Funding Development**

**3a.** Write funding proposals to raise funding for proposed Phase III projects.

*Deliverable:* Funding proposals for Phase III projects.

*Timeframe:* July 1, 2000 to March 31, 2001.

**Task 4: Develop Request for Proposals (RFPs)**

**4a.** Work with landowner/stakeholder groups to develop RFPs for construction/implementation of the fisheries enhancement projects.

*Deliverable:* Copies of RFPs for all funded Phase III projects.

*Timeframe:* October 1, 2000 to March 31, 2001.

5. **Budget:** Listed below in Table 2 is the Project budget with a breakdown into the following categories: 1) direct labor hours; 2) direct salary and benefits; 3) overhead and indirect costs; 4) service contracts; 5) material and acquisition costs; and, 6) miscellaneous and other direct costs. Table 3 contains a quarterly breakdown of the Project costs.

**Table 2 - Example cost breakdown table**

Project Phase and Task	Direct Labor Hours	Direct Salary and Benefits	Overhead Labor (General, Admin. and fee)	Service Contracts	Material and Acquisition Contracts	Misc. and other Direct Costs	Totals
<b>Task 1</b> task1a.	300 145	15900 6100	2180 1220	10150			35550
<b>Task 2:</b> task 2a.	300 125	15900 6100	2180 1220	10150			35550
<b>Task 3:</b> task3a task 3b.	250	13250	2650				15900
<b>Task 4:</b> task 4a.	125	5300	1060				6360
<b>TOTAL</b>		62550	10510	20300			93360

**Table 3 - Sample quarterly budget**

Task	Quarterly Budget Jan-Mar 00	Quarterly Budget Apr-Jun 00	Quarterly Budget Jul-Sep 00	Quarterly Budget Oct-Dec 00	Quarterly Budget Jan-Mar 01	Total Budget
Task 1 Task1a.	7110	7110	7110	7110	7110	35550
<b>Task 2:</b> task 2a.	7110	7110	7110	7110	7110	35550
<b>Task 3:</b> task3a.			5300	5300	5300	15900
<b>Task 4:</b> task 4a.				3180	3180	6360
<b>TOTAL</b>	14220	14220	19520	22700	22700	<b>93360</b>